

NEWTON COUNTY WELLS

MISSOURI

EPA ID# MOD985798339

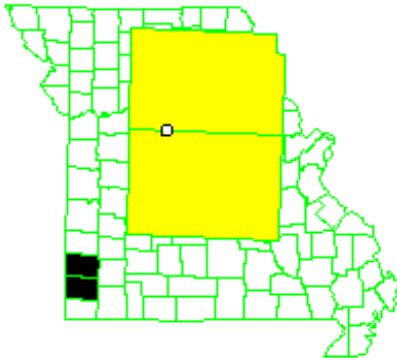
EPA Region 7

City: Joplin

County: Newton

Other Names: FAG Bearings

09/03/2002



SITE DESCRIPTION

The Newton County Wells site is located in northern Newton County, in and near Joplin, in southwest Missouri. The site extends approximately 2 1/2 miles north to south and approximately 1 mile east to west and is located around the FAG Bearings property. From approximately 1972 to 1982, FAG Bearings manufactured steel balls used in the assembly of ball bearings. As part of that manufacturing process TCE was used as a degreaser. The use of TCE was discontinued in 1981, shortly before halting the manufacture of steel balls. The site was initially identified in 1991 following a sampling event at the International Paper (IP) State Registry site by the Missouri Department of Health (MDOH). MDOH sampled the closest wells downgradient of the IP site, all located approximately one mile south of IP in the Village of Silver Creek. Trichloroethene (TCE) and cis-1,2-dichloroethylene (cis-1,2-DCE), which are not associated with the wood treatment wastes at the IP site, were detected in two of the residential wells, both located on Moorhead Drive, directly south of the FAG Bearings property in the Village of Silver Creek. TCE and cis-1,2-DCE were detected at concentrations exceeding the Maximum Contaminant Level (MCL) established by EPA. Based on the detection of elevated concentrations of TCE in one of the original wells, nine other residential wells along Moorhead Drive were sampled to confirm the presence of TCE in the ground water. Results of the initial well sampling indicated that homes located along FAG Bearings' southern property had the highest incidence and concentrations of TCE in Silver Creek Village. EPA and the Missouri Department of Natural Resources (MDNR) were notified and conducted follow-up sampling and analysis.

Site Responsibility:

The site is being addressed through Federal, State and potentially responsible party actions.

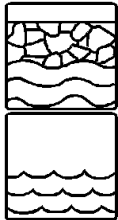
NPL LISTING HISTORY

Proposed Date: 01/19/1999

Final Date: 07/27/2000

Deleted Date:

THREATS AND CONTAMINANTS



TCE contamination was found as far as two miles south of the FAG Bearings Property in the Village of Saginaw, Missouri. Newton County residents use the ground water for drinking purposes. Residents, in Saginaw and Silver Creek who wanted to be included have been placed on a public water supply which is not contaminated. Two potential areas of surface water contamination are being investigated. They include a pond and its discharge immediately south of the FAG Bearings property in the headwater portion of Silver Creek and a bedrock spring charged pond in the center of Saginaw.

CLEANUP APPROACH

Response Action Status



Initial Actions: In 1991, EPA initiated a Time Critical Removal Action to provide bottled water to the residents of Silver Creek. In January of 1992, construction was initiated to connect residents of Silver Creek and Saginaw to the public water supply operated by the Missouri American Water Company. In July 1992, EPA started providing bottled water to the residents of Saginaw. A public water supply system was provided for Saginaw in 1994.

Site Studies: A Removal Assessment was conducted on the FAG Bearings property. The Removal Assessment concentrated on a known source area of TCE contamination.



Once the Removal Assessment was complete, several different removal alternatives were evaluated for reducing the impact of that source on the Newton County Wells Site. Plans for the implementation of the chosen removal alternative are being considered.



Site Studies: A full-scale Remedial Investigation/Feasibility Study is underway to determine the nature and extent of the groundwater contamination at the site. This investigation includes looking at the groundwater and bedrock dynamics throughout Silver Creek and Saginaw.

Site Facts:

ENVIRONMENTAL PROGRESS



By connecting the residents of Silver Creek and Saginaw to a public water supply, the potential for exposure to contaminated drinking water has been reduced while investigations continue in order to determine the nature and extent of the TCE contamination.

SITE REPOSITORY



Joplin Public Library
300 South Main Street
Joplin, MO 64801

(417) 623-7953

Superfund Records Center
901 N. 5th St.
Kansas City, KS 66101
Mail Stop SUPR
(913)551-4038

REGIONAL CONTACTS

SITE MANAGER:

Tonya Howell

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(913) 551-7589

COMMUNITY INVOLVEMENT COORDINATOR: Hattie Thomas

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STATE CONTACT:

Don Van Dyke

PHONE NUMBER:

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MISCELLANEOUS INFORMATION

STATE:

MO

07HK

CONGRESSIONAL DISTRICT:

07

EPA ORGANIZATION:

SFD-SUPR/MOKS

MODIFICATIONS